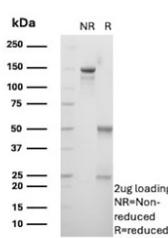


PPP3CA Antibody / Calcineurin [clone BF1.1] (V8010)

Catalog No.	Formulation	Size
V8010-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8010-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8010SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	BF1.1
Purity	Protein G affinity chromatography
UniProt	Q08209
Applications	Western Blot : 1-2ug/ml
Limitations	This PPP3CA antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free PPP3CA antibody (clone BF1.1) as confirmation of integrity and purity.

Description

Calcineurin is an enzyme that dephosphorylates serine and threonine residues in proteins. It is a heterodimer of a 59kDa catalytic A subunit and a 19kDa regulatory B subunit that is activated by the binding of calcium ions and calmodulin.

Calcineurin is expressed in many tissues, but its levels are highest in the brain, where it may play a role in learning and memory. It has many substrates, including NFAT, a transcription factor that is activated by dephosphorylation. Complexes of the immuno-suppressants cyclosporine and FK506 with immunophilin proteins such as cyclophilin and FKBP12 are potent and specific inhibitors of Calcineurin activity. Alterations in Calcineurin activity are suspected to play a role in cardiac hypertrophy and graft versus host disease in organ transplantation.

Application Notes

Optimal dilution of the PPP3CA antibody should be determined by the researcher.

Immunogen

A recombinant full-length Calcineurin A protein was used as the immunogen for the PPP3CA antibody.

Storage

Store the PPP3CA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).